

## CLAIMS

We claim as our invention:

1. A program product comprising:  
a computer useable medium having computer readable program code stored therein,  
the computer readable program code in said program product being effective when executing  
to:  
  
determine the location of a computer which has a storage device  
adapted to store various data files and assume a selected location in the  
computer based on the determined location;  
  
tag files to be stored in the storage device according to the selected  
location; and  
  
implement a filter which (a) passes files tagged according to the  
selected location and removes the tags applied by the code which is effective  
to tag and which (b) blocks files not tagged according to the selected location.
2. The product of Claim 1 wherein the code which is effective to tag files is code which  
appends characters to the data file name.
3. The product of Claim 1 wherein the location is determined by assessing a system  
resource.
4. The product of Claim 3 wherein the system resource is selected from the group  
consisting of network settings and printer settings.

5. A program product comprising:

a computer useable medium having computer readable program code stored therein, the computer readable program code in said program product being effective when executing to:

determine the location of a computer which has a storage device adapted to store various data files and assume a selected location in the computer based on the determined location;

tag files to be stored in the storage device according to the selected location wherein the contents of the tagged files are stored in an encrypted format on the storage device; and

implement a filter which (a) passes files tagged according to the selected location and removes the tags applied by the code which is effective to tag files and decrypts the contents of tagged files which have been stored in an encrypted format on the storage device and which (b) blocks files not tagged according to the selected location;

wherein, when at least one application is executed in the computer, a change in the selected location based on a newly determined location does not require termination of the at least one application.

6. The product of Claim 5 wherein the code which implements the filter further passes files tagged as universal irrespective of the selected location and thereby overrides the filter action (b) which otherwise blocks files not tagged according to the selected location.

7. The product of Claim 5 wherein a call to a cryptographic processor is made in a selected one of the location determination performed by the code which determines, the encryption performed by the code which implements the filter, and the decryption performed the code which implements the filter.

8. The product of Claim 7 wherein the cryptographic processor called is a trusted platform module.
9. The product of Claim 5 wherein the code which is effective to tag files is code which appends characters to the data file name.
10. The product of Claim 5 wherein the location is determined by assessing a system resource.
11. The product of Claim 10 wherein the system resource is selected from the group consisting of network settings and printer settings.
12. A method comprising the steps of:
  - determining the location of a computer which has a storage device adapted to store various data files and assuming a selected location in the computer based on the determined location;
  - tagging files to be stored in the storage device according to the selected location; and
  - implementing a filter which (a) passes files tagged according to the selected location and removes the tagging applied in said tagging step and which (b) blocks files not tagged according to the selected location.
13. The method of Claim 12 wherein said tagging is one which appends characters to the data file name.
14. The method of Claim 12 wherein the location of said determining step is determined by assessing a system resource.

15. The method of Claim 14 wherein the system resource is selected from the group consisting of network settings and printer settings.

16. A method comprising the steps of:

determining the physical location of a computer which has a storage device adapted to store various data files and assuming a selected location in the computer based on said determination;

tagging files to be stored in the storage device according to the selected location wherein the contents of the tagged files are stored in an encrypted format on the storage device; and

implementing a filter which (a) passes files tagged according to the selected location and removes the tagging applied in said tagging step and decrypts the contents of tagged files which have been stored in an encrypted format on the storage device and which (b) blocks files not tagged according to the selected location;

wherein, when at least one application is running in the computer, a change in the selected location based on newly determined location does not require termination of the at least one application.

17. The method of Claim 16 wherein the filter implemented in said implementing step further passes files tagged as universal irrespective of the selected location and thereby overrides the filter action (b) which otherwise blocks files not tagged according to the selected location.

18. The method of Claim 16 wherein a cryptographic processor is utilized in a selected one of the location determination in said determining step, the encryption performed in said filter implementing step, and the decryption performed in said filter implementing step.

19. The method of Claim 18 wherein the cryptographic processor is a trusted platform module.
20. The method of Claim 16 wherein the tagging in said tagging step is one which appends characters to the data file name.
21. The method of Claim 16 wherein the location of said determining step is determined by assessing a system resource.
22. The method of Claim 21 wherein the system resource is selected from the group consisting of network settings and printer settings.
23. Apparatus comprising:
  - a location switch which determines the physical location of a computer having a storage device capable of storing various data files, the location switch indicating a selected location based on the determined location;
  - a tagger which is coupled to said location switch and which tags files to be stored in the storage device by modifying the names of the files according to the selected location as indicated by said location switch; and
  - a filter which is coupled to said location switch and which (a) passes files tagged according to the selected location by restoring each file name to the name existing prior to the modification performed by said tagger and which (b) blocks files not tagged according to the selected location.
24. Apparatus of Claim 23 wherein the data file name modification is one which appends characters to the data file name.

25. Apparatus of Claim 23 wherein the location is determined by assessing a system resource.

26. Apparatus of Claim 25 wherein the system resource is selected from the group consisting of network settings and printer settings.

27. Apparatus comprising:

a location selector which determines the location of a computer and which indicates a selected location based on the determined location, wherein a storage device included in the computer is capable of storing various data files;

a tagger which is coupled to said location selector and which tags files to be stored in the storage device by modifying the names of the files according to the selected location as indicated by said location selector and which stores the contents of the tagged files in an encrypted format on the storage device; and

a filter which is coupled to said location selector and which (a) passes files tagged according to the selected location by restoring each file name to the name existing prior to the modification performed by said tagger and by decrypting the contents of tagged files which have been stored in an encrypted format on the storage device and which (b) blocks files not tagged according to the selected location;

wherein, when at least one application is running in the computer, a change in the selected location based on a newly determined location does not require termination of the at least one application.

28. Apparatus of Claim 27 wherein said filter further passes files tagged as universal irrespective of the selected location, thereby overriding the blocking (b) of files not tagged according to the selected location.

29. Apparatus of Claim 27 wherein a cryptographic processor is utilized in a selected one of the location determination performed by said location selector, the encryption performed by said filter, and the decryption performed by said filter.

30. Apparatus of Claim 29 wherein the cryptographic processor is a trusted platform module.

31. Apparatus of Claim 27 wherein the location is determined by assessing a system resource.

32. Apparatus of Claim 31 wherein the system resource is selected from the group consisting of network settings and printer settings.